Remarks

The above Amendments and these Remarks are in reply to the Office Action mailed May 2, 2007. A Petition for Extension of Time is submitted herewith, together with the appropriate fee.

I.   Summary of Examiner's Rejections

Prior to the Office Action mailed May 2, 2007, Claims 1-44 were pending in the Application. In the Office Action, Claims 3, 14, 24, and 36 were rejected due to informalities.Claims 22, 33, and 34 were rejected under 35 U.S.C. §112, second paragraph as being indefinite. Claims 34-44 were rejected under 35 U.S.C. §101 as being directed to non-statutory matter. Claims 1-10, 12-20, 22-31, and 33-43 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kim et al. (U.S. Patent Publication No. 2003/0120686, hereafter Kim) in view of Tanyi (Easy XML, 2000), and further in view of Park et al. (U.S. Patent Publication No. 2004/0024812, hereafter Park). Claims 11, 21, 32, and 44 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kim in view of Tanyi, in firther view of Park, and in further view of IBM TDB (Method and System for Visually Constructing Document Type Definitions and Related Artifacts Using a Reusable Object Model, 2001).

II.   Summary of Applicants' Amendments

The present Response amends Claims 1, 3-4, 12, 14, 22, 24-25, and 33, and cancels Claims 2, 13, 23, and 34-44, leaving for the Examiner's present consideration Claims 1, 3-12, 14-22, and 24-33. Reconsideration of the application as amended is respectfully requested. Applicants respectfully reserve the right to prosecute any originally presented or canceled claims in a continuing or future application.

III.   Claim Objections

In the Office Action mailed May 2, 2007, Claims 3, 14, 24, and 36 were rejected due to informalities. Claims 3, 14, and 24 have been amended, and Claim 36 has been canceled. It is respectfully submitted that Claims 3, 14, and 24, as amended, overcomes the objections. Reconsideration thereof is respectfully requested.

IV.   Claim Rejections under 35 U.S.C. §112

In the Office Action mailed May 2, 2007, Claims 22, 33, and 34 were rejected under 35 U.S.C. §112, second paragraph as being indefinite. Claims 22 and 33 have been amended, and

Claim 34 has been canceled. It is respectfully submitted that Claims 22 and 33, as amended conform to the requirements of 35 U.S.C. §112, second paragraph. Reconsideration thereof is respectfully requested.

V.   Claim Rejections under 35 U.S.C. §101

In the Office Action mailed May 2, 2007, Claims 34-44 were rejected under 35 U.S.C. §101 as being directed to non-statutory matter. Accordingly, Claims 34-44 have been canceled. Reconsideration thereof is respectfully requested.

VI.   Claim Rejections under 35 U.S.C. §103(a)

In the Office Action mailed May 2, 2007, Claims 1-10, 12-20, 22-31, and 33-43 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kim et al. (U.S. Patent Publication No. 2003/0120686, hereafter Kim) in view of Tanyi (Easy XML, 2000), and further in view of Park et al. (U.S. Patent Publication No. 2004/0024812, hereafter Park). Claims 11, 21, 32, and 44 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kim in view of Tanyi, in firther view of Park, and in further view of IBM TDB (Method and System for Visually Constructing Document Type Definitions and Related Artifacts Using a Reusable Object Model, 2001).

Claim 1

Claim 1 has been amended by the present Response to more clearly define the embodiment therein. As amended, Claim 1 defines:

> 1.   (Currently Amended) An interactive tool for viewing and manipulating a virtual content repository (VCR) having an application program interface (API), comprising:
>
> providing a first graphical user interface (GUI) configured to present a hierarchical namespace that spans information in the virtual content repository, wherein the namespace includes at least one element, and wherein one of the at least one element can be selected;
>
> providing a second GUI configured to present and to enable editing of content associated with the selected element in the first GUI;
>
> providing a third GUI configured to present and to enable editing of schema associated with the selected element in the first GUI; and

> *wherein the VCR logically represents a plurality of content repositories as a single content repository, and wherein the plurality of content repositories represented by the VCR includes a service provider interface (SPI) compatible with the API.*

Claim 1 has been amended to more clearly define the embodiment as comprising providing a first graphical user interface configured to present a hierarchical namespace <u>that spans information in the virtual content repository</u>, wherein the namespace includes at least one element, and wherein one of the at least one element can be selected. The virtual content repository <u>logically represents a plurality of content repositories as a single content repository</u>, and wherein the <u>plurality of content repositories represented by the VCR</u> includes a service provider interface compatible with the application program interface. Applicant respectfully submits that these features are not disclosed by the cited references.

In view of the comments provided above, Applicants respectfully submit that the embodiment defined by Claim 1 is neither anticipated by, nor obvious in view of the cited references, and reconsideration thereof is respectfully requested.

Claims 12, 22, and 33

The comments provided above with respect to Claim 1 are hereby incorporated by reference. Claims 12, 22, and 33 have been similarly amended to more clearly define the embodiments therein. For similarl reasons as provided above with respect to Claim 1, Applicant respectfully submits that Claim 11, as amended, is likewise neither anticipated by, nor obvious in view of the cited references, and reconsideration thereof is respectfully requested.

Claims 3-11, 14-21, and 24-32

Claims 3-11, 14-21, and 24-32 are not addressed separately, but it is respectfully submitted that these claims are allowable as depending form an allowable independent claim and further in view of the comments provided above. Applicants respectfully submit that Claims 3-11, 14-21, and 24-32 are similarly neither anticipated by nor obvious in view of the cited references, and reconsideration thereof is respectfully requested. It is also respectfully submitted that these claims also add their own limitations which render them patentable in their own right. Applicant respectfully reserves the right to argue these limitations should it become necessary in the future.

Claims 2, 13, 23, and 34-44

Claims 2, 13, 23, and 34-44 have been canceled, rendering moot the rejection of these claims. Applicant respectfully reserves the right to prosecute any originally presented or canceled claims in a continuing or future application.

VII.   Conclusion

In view of the above amendments and remarks, it is respectfully submitted that all of the claims now pending in the subject patent application should be allowable, and reconsideration thereof is respectfully requested. The Examiner is respectfully requested to telephone the undersigned if he can assist in any way in expediting issuance of a patent.

Enclosed is a PETITION FOR EXTENSION OF TIME UNDER 37 C.F.R. §1.136 for extending the time to respond up to and including September 4, 2007.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 06-1325 for any matter in connection with this reply, including any fee for extension of time, which may be required.

Respectfully submitted,

Date: ___September 4, 2007___   By: ___/Guanyao Cheng/___
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